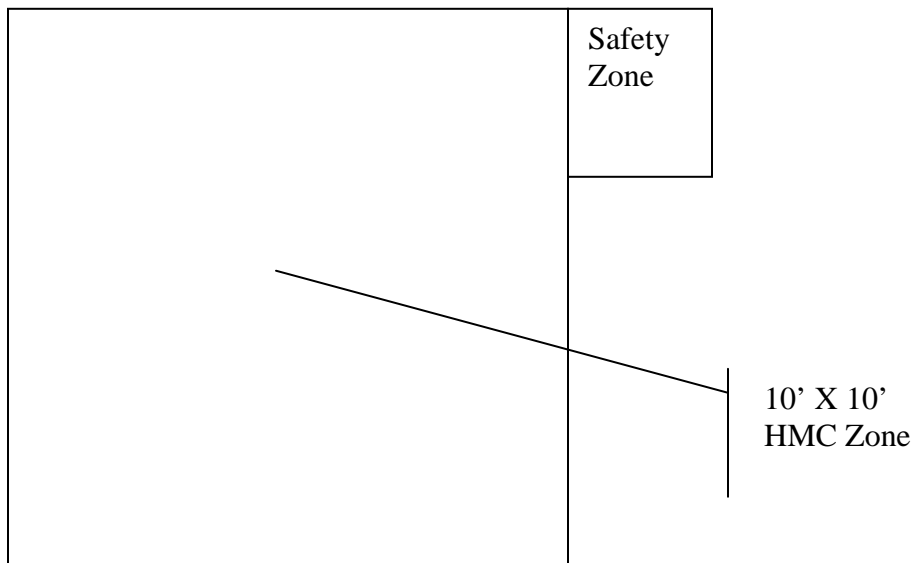


The Hazardous Material Squad

The Robotics Activity

- Project: Design a robot that will pick up 4 different Hazardous Material Containers (HMC) (raw eggs) and transport them to a safety zone. The HMCs will each be positioned in a unique way.
- Restrictions
 - The robot can not be bigger than a 20" x 20" x 20".
 - The robot must be wireless remote controlled.
 - The robot must carry its own power supply.
 - The HMCs must be transported to the safety zone in less than 10 minutes
 - Safe work habits must be followed in every aspect of this project.
- Challenge Parameters
 - The HMC area will be 10' x 10'.
 - One HMC will be open out on the ground
 - One HMC will be on top of a block 6" tall.
 - One HMC will be behind a 12" block
 - One HMC will be under a 6" ceiling.



Challenge Criteria Rubric

	3	2	1	Disqualified	Results
The robot can not be bigger than a 20" x 20" x 20	<input type="checkbox"/> Meets the measurement criteria			<input type="checkbox"/> Does not meet the measurement criteria	
The robot must be wireless remote controlled (RC).	<input type="checkbox"/> Meets the wireless RC criteria			<input type="checkbox"/> Does not meet the wireless RC criteria	
The robot must carry its own power supply	<input type="checkbox"/> Meets the power supply criteria			<input type="checkbox"/> Does not meet the power supply criteria	
HMC Spills (creaked or broken eggs)	<input type="checkbox"/> No HMC Spills	<input type="checkbox"/> One HMC Spill	<input type="checkbox"/> Two HMC Spills	<input type="checkbox"/> More than two HMC Spills	
Time laps	Fastest time	With in the 10 minute time limit		Out side the 10 minute time limit	
				Total Points Earned	

If there is a tie in the top scores the least amount of spills will take first place. If there is still a tie the fasted time will take first place.